

Converting Colors

$Yxy(65.9294, 0.2276, 0.3029)$

Have a look what the booklet for
Yxy(65.9294, 0.2276, 0.3029)
contains.

Yxy(65.9294, 0.2276, 0.3029)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(65.9294, 0.2276, 0.3029)

Conversions

Conversions Part 1

Format	Color
Hex	51E7FC
RGB	81, 231, 252
RGB Percent	32%, 91%, 99%
CMY	0.6822, 0.0941, 0.0118
CMYK	0.68, 0.08, 0.00, 0.01
HSL	187°, 97%, 65%
HSV	187°, 68%, 99%
XYZ	49.5396, 65.9294, 102.1917
YIQ	188.5440, -96.1410, -25.2690

Conversions

Conversions Part 2

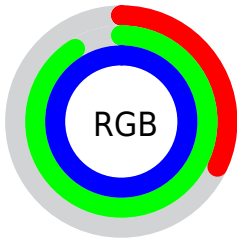
Format	Color
R _Y B	81, 161, 252
Decimal	5367804
CIE Lab	84.96, -32.79, -21.75
CIE LCh	85, 39.345, 213.553
Yxy	65.9294, 0.2276, 0.3029
Android (android.graphics.Color)	4283557884 (0xFF51E7FC)
YUV	188.5440, 31.2838, -94.3161
Hunter-Lab	81.1969, -33.1889, -17.7825

Details

The Yxy color **65.9294, 0.2276, 0.3029** is a light color, and the websafe version is hex **66FFFF**. The color can be described as light muted cyan. A complement of this color would be **30.7941, 0.5242, 0.3481**, and the grayscale version is **50.4825, 0.3127, 0.3290**.

A 20% lighter version of the original color is **85.1296, 0.2557, 0.3288**, and **34.6001, 0.2157, 0.2963** is the 20% darker color. If you saturate the color by 10%, you get **63.3010, 0.2212, 0.2985**, and if you desaturate by 10%, it is **69.0061, 0.2359, 0.3072**.

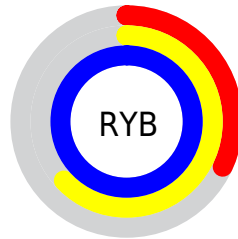
Distribution



Red (32%)

Green (91%)

Blue (99%)



Red (32%)

Yellow (63%)

Blue (99%)

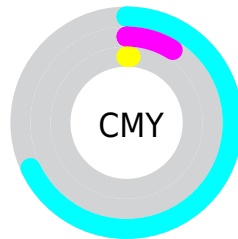


Cyan (68%)

Magenta (8%)

Yellow (0%)

Black (1%)



Cyan (68%)

Magenta (9%)

Yellow (1%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 65.9294, 0.2276, 0.3029 changes by changing the brightness by 10 percent. The first figure shows a shift by +10% for each color and the second figure -10%.


Similar to the brightness gradients but the following saturation gradients show a change of the Yxy color 65.9294, 0.2276, 0.3029 by changing the saturation by 10% instead.


 65.9294, 0.2276,
0.3029


 65.9294, 0.2276,
0.3029


446.1244, 0.2662,
0.3164

 48.2151, 0.2191,
0.2995


 113.3850, 0.2408,
0.3078


 33.9973, 0.2087,
0.2952


 143.8951, 0.2460,
0.3097

 22.8915, 0.1958,
0.2894


 179.4392, 0.2505,
0.3113

 14.5134, 0.1794,
0.2816

 220.4018, 0.2544,
0.3126

 8.4786, 0.1582,
0.2703

267.1672, 0.2579,
0.3137

 4.4027, 0.1299,
0.2532

320.1198, 0.2610,

 1.9013, 0.0916,

0.3147

0.2251

379.6441, 0.2637,
0.3156

■ 0.5491, 0.0000,
0.1722

■ 0.0000, 0.0000,
0.0000

■ 65.9294, 0.2276,
0.3029

■ 65.9294, 0.2276,
0.3029

■ 63.3010, 0.2212,
0.2985

■ 69.0061, 0.2359,
0.3072

■ 61.0651, 0.2168,
0.2942

■ 72.5648, 0.2461,
0.3115

■ 59.1592, 0.2141,
0.2899

■ 76.6441, 0.2579,
0.3156

■ 58.7697, 0.2136,
0.2890

■ 81.2767, 0.2712,
0.3195

86.4922, 0.2855,
0.3232

92.3183, 0.3006,
0.3265

98.3159, 0.3146,
0.3296

99.8070, 0.3145,
0.3319

Harmonies

Analogous

The Analogous color harmony consists of three colors that are next to each other on the color wheel.



65.9294, 0.2510, 0.3508



65.9294, 0.2276, 0.3029



65.9294, 0.2251, 0.2679

Triad

The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



65.9294, 0.2276, 0.3029



65.9294, 0.3287, 0.2738



65.9294, 0.3830, 0.4098

Complementary

The Complementary color scheme is a pair of colors which are on the opposite of each other on the color wheel.



65.9294, 0.2276, 0.3029



30.7941, 0.5242, 0.3481

Split Complementary

Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



65.9294, 0.4080, 0.3813



65.9294, 0.2276, 0.3029



65.9294, 0.3760, 0.3053

Square

The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



65.9294, 0.2276, 0.3029



65.9294, 0.2801, 0.2546



65.9294, 0.4059, 0.3435



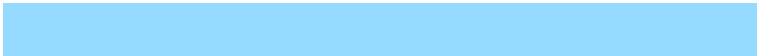
65.9294, 0.3400, 0.4172

Rectangle

The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



65.9294, 0.2276, 0.3029



65.9294, 0.2351, 0.2550



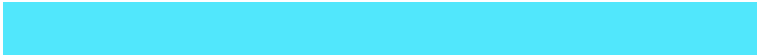
65.9294, 0.4059, 0.3435



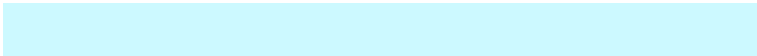
65.9294, 0.3939, 0.4020

Sweetspot

The Sweet Spot groups the original color and five complimentary colors.



65.9318, 0.2276, 0.3029



87.6489, 0.2823, 0.3224



72.2987, 0.2960, 0.5278



18.4327, 0.2782, 0.3214



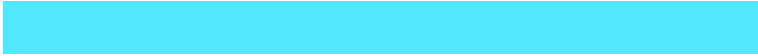
0.0000, 0.0000, 0.0000



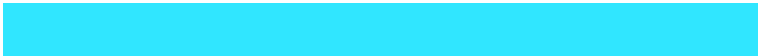
21.4041, 0.3127, 0.3290

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



65.9318, 0.2276, 0.3029



64.2596, 0.2196, 0.2971



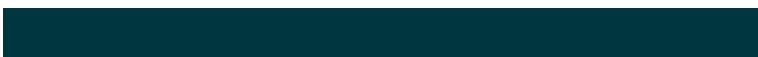
29.5131, 0.1996, 0.1880



19.2236, 0.2980, 0.3260



30.7676, 0.2138, 0.2897



2.9486, 0.2152, 0.2949

Inverse Universe

The Inverse Universe completely reimagines the original color for something new.



32.3534, 0.3409, 0.1918



29.1046, 0.3471, 0.1787



56.5967, 0.4509, 0.4305



17.4857, 0.3157, 0.3084



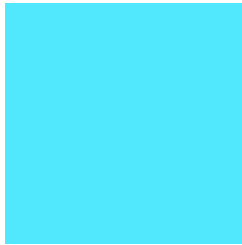
13.5169, 0.3546, 0.1727



1.2619, 0.3500, 0.1702

Previews

White Background



This preview shows how the Yxy color 65.9294, 0.2276, 0.3029 looks on a white background.

Color Contrast Check

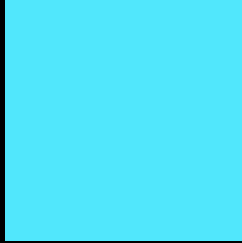
Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



This preview shows how the Yxy color 65.9294, 0.2276, 0.3029 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 65.9294, 0.2276, 0.3029

Background



This preview shows how black text looks on a background with the Yxy color 65.9294, 0.2276, 0.3029.

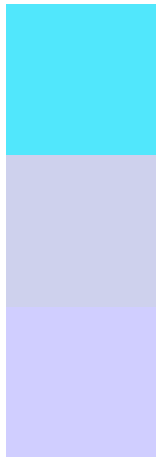


This preview shows how white text looks on a background with the Yxy color 65.9294, 0.2276, 0.3029.

Color Blindness Simulation

Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy



Original Color

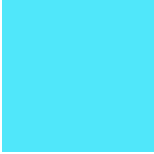
65.9294, 0.2276, 0.3029

Protanopia

64.8372, 0.2919, 0.2979

Deuteranopia

64.7725, 0.2820, 0.2762



Tritanopia

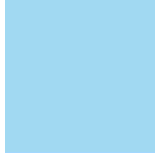
65.7594, 0.2281, 0.3052

Trichromacy



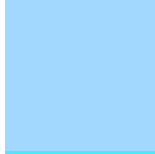
Original Color

65.9294, 0.2276, 0.3029



Protanomaly

63.6136, 0.2613, 0.2993



Deuteranomaly

63.4380, 0.2554, 0.2838



Tritanomaly

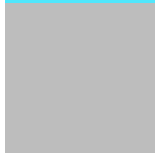
65.8223, 0.2277, 0.3040

Monochromacy



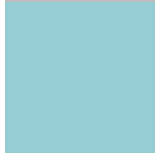
Original Color

65.9294, 0.2276, 0.3029



Achromatopsia

50.8881, 0.3127, 0.3290



Achromatomaly

54.4232, 0.2696, 0.3186

CSS Examples

Text

The CSS property to change the color of the text to Yxy 65.9294, 0.2276, 0.3029 is called "color". The color property can be set on classes, ids or directly on the HTML element.

This example shows how text in the color `rgb(81, 231, 252)` looks like.

```
.text, #text, p{  
    color:rgb(81, 231, 252)  
}
```

If you want to add a text shadow in that color use the text-shadow property, you can generate a text shadow directly with our [CSS Text Shadow Generator](#).

Here you see how black text with a 4 pixel rgb(81, 231, 252) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(81, 231, 252) }
```

Border

The CSS property to change the border of an element to Yxy 65.9294, 0.2276, 0.3029 is called "border". The border property can be set on classes, ids or directly on the HTML element.

This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(81, 231, 252) }
```

If only the border color should be changed use the property border-color.

```
.border{ border-color:rgb(81, 231, 252) }
```

If you want to add a box shadow in that color use:

Here you see how a box with a 4 pixel rgb(81, 231, 252) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(81, 231, 252); -webkit-box-  
shadow:4px 4px 4px 4px rgb(81, 231, 252);  
box-shadow:4px 4px 4px 4px rgb(81, 231,  
252) }
```


Background

The CSS property to change the background color of an element to Yxy 65.9294, 0.2276, 0.3029 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(81, 231, 252) }
```

If only the background color should be changed can be used:

```
.background{ background-color: rgb(81, 231,  
252) }
```

This example shows the color as background, it is applied via the CSS property "background".

To optimize and compress your CSS code, you can use our [online CSS compressor and optimizer](#) based on csstidy. If you want to create a linear or radial gradient as background or border, check our [CSS Gradient Generator](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor